

Title (en)

COMMUNICATION SECURITY PROCESSING METHOD, DEVICE AND SYSTEM

Title (de)

VERARBEITUNGSVERFAHREN FÜR KOMMUNIKATIONSSICHERHEIT, VORRICHTUNG UND SYSTEM

Title (fr)

PROCÉDÉ, DISPOSITIF ET SYSTÈME DE TRAITEMENT DE SÉCURITÉ DE COMMUNICATION

Publication

EP 3771243 B1 20220914 (EN)

Application

EP 20177134 A 20170511

Priority

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- EP 17795592 A 20170511
- CN 2017084002 W 20170511

Abstract (en)

[origin: EP3448076A1] A communication security processing method is applied to processing of AS security when a terminal is handed over from a source cell to a target cell, and includes: obtaining a derivation parameter; deriving a target AS root key based on a source AS root key and the derivation parameter; and calculating, based on the target AS root key, an AS security key used in the target cell. The source AS root key is an AS root key used in the source cell, the target AS root key is an AS root key used in the target cell, the derivation parameter is used to derive an AS root key and corresponds to a RAN node at which or a RAN node group or an area in which the target cell is located, and cells at a same RAN node or in a same RAN node group or area have a same derivation parameter. In this way, the terminal does not need to update the AS security key when being handed over at a same RAN node or in a same RAN node group or area, thereby reducing overheads of updating the AS security key.

IPC 8 full level

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